

Specifications TR1224

Buoy & Tanker

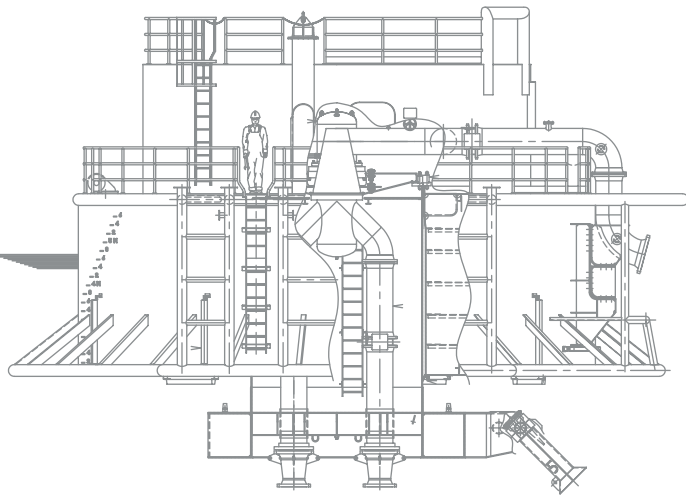
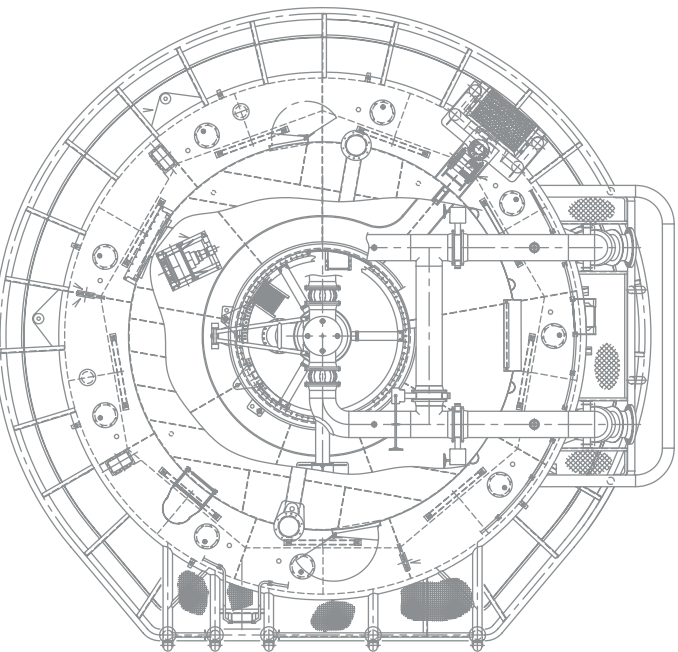
Hull diameter	12m
Hull height	4.4m
Mooring configuration	6 x 1 leg
Number of water tight compartments	9
Piping	24 inch – ANSI 300 lbs flanges
Boat landing	Included
Overall Weight	250 T incl. ballast
Tanker size	From Handymax to ULCC
Certification	ABS

Product transfer

Number of flow paths	Dual product Paths
Swivel size	36 inch
Type of liquids	Stabilized crude and refined hydrocarbon products
Design temperature	-5 to 85 degrees
Pressure rating	Compatible with ANSI 300 lbs
Piping and valve class	ANSI Class 300 lbs

Environment

Water depth	20-100m
Ambient temperature	-5 to 50 degrees



Installation aids

Chain tensioning	Hydraulic winch
Working load	10,000 kg on 3 rd layer
Line speed	10m/min on 1 st layer
Wire on drum	85m, 20mm cable in 3 layers
Power pack	No (available from installation vessel)

Buoy options

Surge Protection System	Surge Tanks, including surge valves prevent excessive pressure during a surge event
Load Monitoring	Hawser Load Monitoring System, which monitors the hawser load and emits an audible and visible signal if a certain load limit is exceeded.
PLEM Control System	Hydraulic Pressure Unit (HPU) to operate the PLEM Valves

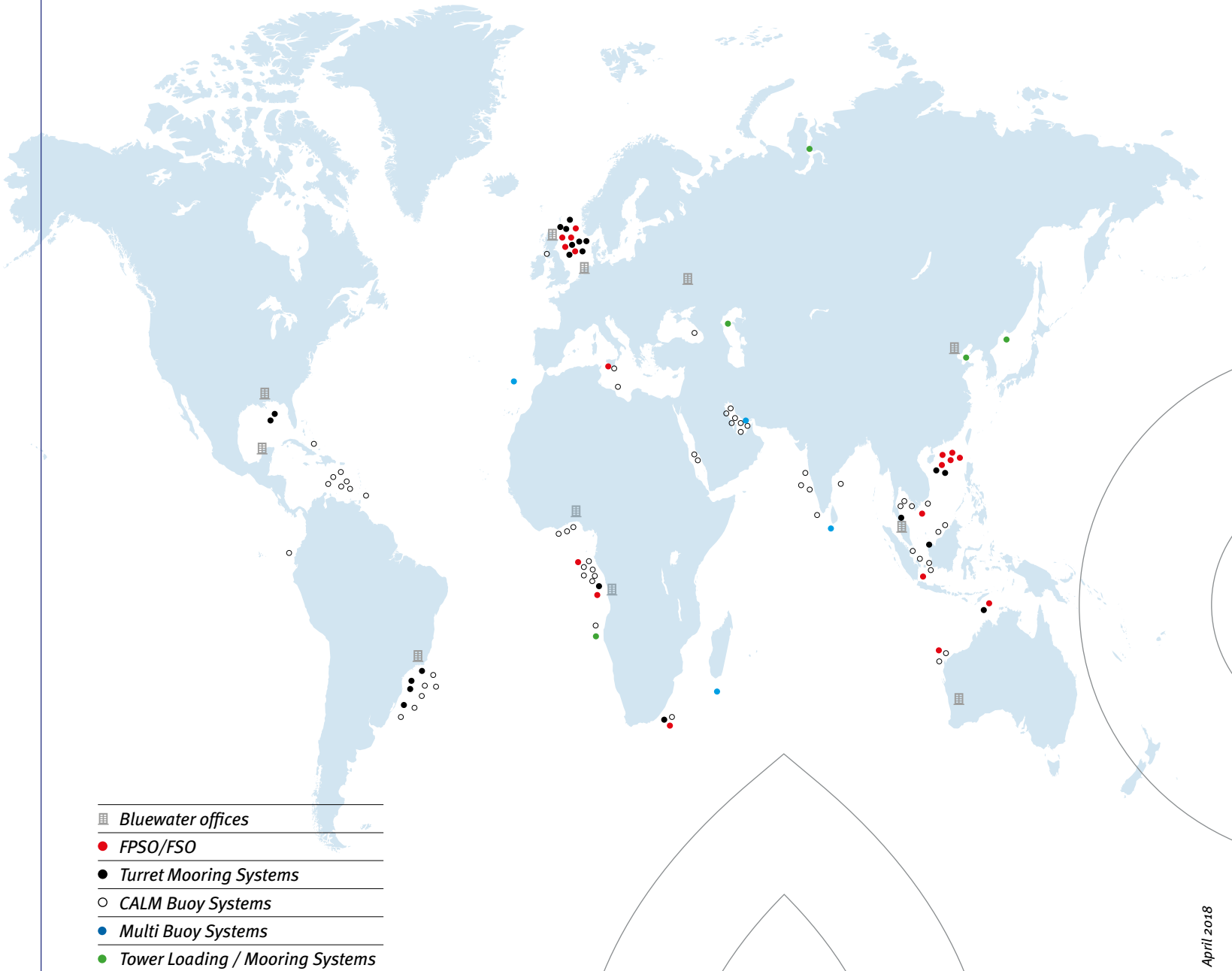
Optional system components

Mooring system	Mooring legs, Anchors and Hawser arrangement
Hoses	Submarine and Floating Hose arrangement
PLEM	Pipeline End Manifold
Extended Buoy Control	Telemetry System to monitor and operate the SPM system
Umbilical	Hydraulic link between SPM and PLEM to operate PLEM valves

bluewater

PT Berkah Kurnia Langgeng
marketing@bklanggeng.com
+62 21-8778 2274

References

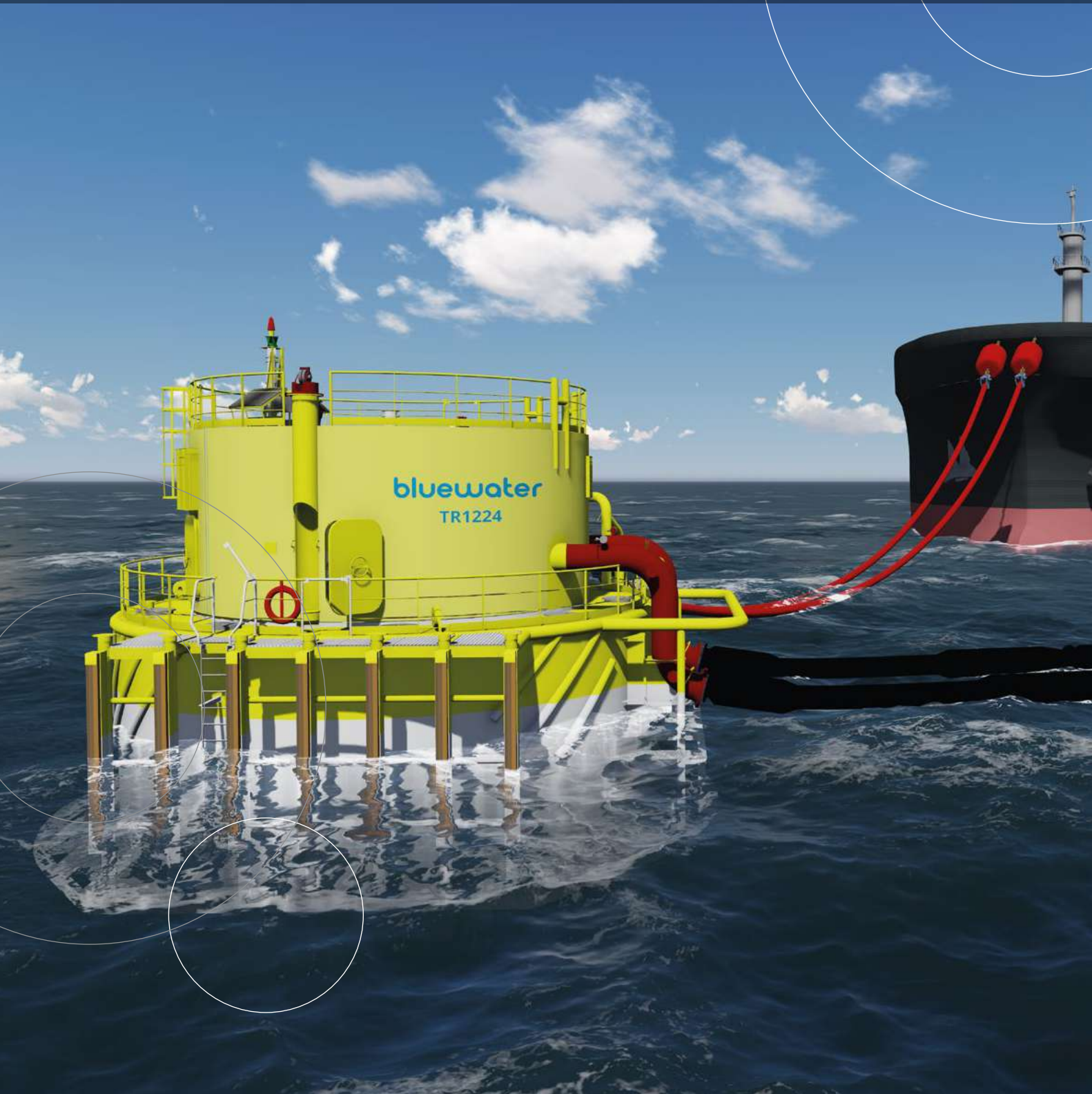


April 2018

bluewater

TR1224 Buoy

Standardized Turret Buoy



Turret Buoy

standard design

For more than 35 years, Bluewater has successfully designed and delivered very cost effective Turret Buoys to recognized marine terminal operators, oil majors and refineries worldwide, to allow offshore and near shore loading and/or offloading tankers of any size. The Turret Buoy is a field proven system showing flexible

operability and extremely low maintenance thanks to its high quality and technology. This system remains the preferred choice of our clients. Bluewater offers a standard Turret Buoy design, allowing quick turnaround and short delivery times. Standardized options are available.

Deckhouse

The Turret Buoy is provided with a deckhouse. The main bearing and other mechanical and electrical components are located inside the deckhouse. This lay-out enables the client to operate the buoy with extremely low maintenance.

Hose system

Hose system connection to midship manifold of vessel allows the transfer of fluids of any kind and size, from Handymax to VLCC.

Hawser

The hawser loads and incidental tanker-buoy contact loads (if these occur) are transferred into the strong buoy body. The buoy body and its added water mass (water around the buoy body) absorb these loads, protecting the main bearing from high incidental loads.

Flat deck

The Turret Buoy has a flat deck, not obstructed by obstacles or moving parts and is easily accessible via the boat landing area, which is designed to moor any work boat alongside the buoy.

PLEM & Mooring

Optional the pipeline end manifold (PLEM) and riser package, as well as mooring lines and anchor point, are part of Bluewater Turret Buoy scope of supply. The PLEM is outfitted with valves to enable the operator to isolate the pipelines and/or risers for operation and maintenance purposes.

Sales Support :
PT BERKAH KURNIA LANGGENG
email : marketing@bklanggeng.com
+62 21-8778 2274